

ABSTRACT OF THE DISCLOSURE

A system including a central unit 10, a terminal 20, and a relay device 30 relay transmission of isochronous data effectively, in a time-sharing manner. The central unit 10 cyclically carries out the polling. In response to the polling, the terminal 20 transmits a plurality of frames. The relay device 30 detects that the plurality of frames transmitted from the terminal 20 via a transmission path 40 are completely received based on carrier-sensing by a carrier detecting portion 308 incorporated in the relay device 30. The relay device 30, at the time of detection, transmits frames received thereby without error to the central unit 10.